



National Weather Service

Storm Data and Unusual Weather Phenomena



August 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property		Crops	Character of Storm
Killed	Injured										

CALIFORNIA, Upper

**Siskiyou County
Yreka**

04 2033PST **0 0** **Tstm Wind/Hail**
See below.

**Siskiyou County
Montague**

04 2056PST **0 0** **Tstm Wind/Hail**

Spotter SY57 reported 3/4 to 1 inch hail at Siskiyou County airport.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for Central Siskiyou County at 2033 LDT, extended at 2110 LDT, and expired at 2140 LDT. The spotter report was received after the warning was issued.

**Siskiyou County
Macdoel**

04 2132PST **0 0** **Tstm Wind/Hail**

Spotter SY56 reported golf ball size hail just south of MacDoel.
Based on the above spotter report and MFR WSR-88D data, a Severe Thunderstorm Warning was issued for north central Siskiyou county at 2145 PDT and expired at 2214 LDT.

**Siskiyou County
Yreka**

09 1730PST **0 0** **Tstm Wind/Hail**

See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for North Central Siskiyou county at 1730 PDT and expired at 1814 PDT.

**Siskiyou County
Central Portion**

10 1325PST **0 0** **Tstm Wind/Hail**

See below.
Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for northern Siskiyou county at 1325 PDT, extended at 1422 PDT, and expired at 1525 PDT. This thunderstorm tracked along the Oregon/California border, so a warning was issued for southern Jackson County in Oregon as well.

**Siskiyou County
Happy Camp**

10 1505PST **0 0** **Tstm Wind/Hail**

See below.
Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for northwest and west Siskiyou county at 1505 PDT and expired at 1605 PDT.

CAZ011>012

Siskiyou County - Modoc County Except Surprise Valley

14 1630PST **0 0** **Extreme Cold**

See below.
Based on forecast low temperatures, a Frost Warning was issued for Modoc and eastern Siskiyou counties. Reported low temperatures were mostly in the middle 30s to lower 40s...so frost probably did occur this night.

**Modoc County
White Horse**

23 1500PST **0 0** **Tstm Wind/Hail**

See below.

**Siskiyou County
Mt Shasta**

23 1500PST **0 0** **Tstm Wind/Hail**

See below
Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for southeast Siskiyou county and southwest Modoc county at 1500 PDT and cancelled at 1554 PDT.

CAZ011>012

Siskiyou County - Modoc County Except Surprise Valley

30 1102PST **0 0** **Extreme Cold**
31 0800PST

See below
Reported low temperatures ranged from 27 to 33 in the warning area. Although no reports were recieved, frost probably did occur this night.



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OREGON, Southwest

Lake County

Ft Rock	01	1630PST			0	0			Tstm Wind/Hail
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See below

Lake County

Ft Rock	01	1636PST			0	0			Tstm Wind/Hail
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Spotter LA113...1 NM east of Fort Rock...reported 3/8 inch hail.
At 1630 PDT, MFR Doppler Radar indicated that large hail was falling from a thunderstorm near Fort Rock.
Calls to spotters verified that marble-size hail fell at a location outside of the main core of the thunderstorm, so it was assumed that the hail there was severe. A Severe Thunderstorm Warning was issued at 1635 PDT and cancelled at 1704 PDT after the thunderstorm weakened.

Lake County

Ft Rock	03	1900PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for extreme northwestern Lake County at 1900 LDT, and expired at 1930 LDT.

Klamath County

Rocky Pt	04	1711PST			0	0			Tstm Wind/Hail
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Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for west central Klamath County at 1711 PDT and expired at 1750 LDT.

Klamath County

Diamond Lake Jct	04	1802PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for northern Klamath County at 1802 LDT and expired at 1827 LDT.

Klamath County

Chemult	04	1838PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued at 1838 PDT and expired at 1909 PDT.

Douglas County

Diamond Lake	04	1855PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for extreme Eastern Douglas county at 1755 PDT and expired at 1926 PDT.

Klamath County

Klamath Falls	04	2151PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for extreme southwest Klamath County at 2151 LDT, expiring at 2222 LDT.

Klamath County

Chiloquin	05	1328PST			0	0			Tstm Wind/Hail
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See below.
Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for east central Klamath county at 1328 LDT and expired at 1353 LDT.

Klamath County

Chiloquin	05	1353PST			0	0			Tstm Wind/Hail
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See below.

Lake County

Silver Lake	05	1353PST			0	0			Tstm Wind/Hail
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See below.
Based on KMFR WSR-88D observations, a Severe Thunderstorm Warning was issued for east central Klamath county and west central Lake county at 1353 LDT, and expired at 1425 LDT.



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OREGON, Southwest

Klamath County Chemult

05 1426PST **0** **0** **Tstm Wind/Hail**

See below.

Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for northern Klamath county at 1426 PDT, extended at 1515 PDT, and expired at 1557 PDT.

Lake County Silver Lake

05 1432PST **0** **0** **Tstm Wind/Hail**

See below.

Based on MFR WSR88-D data, a Severe Thunderstorm Warning was issued for northwestern Lake county at 1432 PDT and expired at 1526 PDT.

Douglas County Diamond Lake

05 1458PST **0** **0** **Tstm Wind/Hail**

See below.

Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for extreme eastern Douglas county at 1458 PDT and expired at 1550 PDT.

Klamath County Rocky Pt

05 1508PST **0** **0** **Tstm Wind/Hail**

See below.

Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for west central Klamath county at 1508 PDT and expired at 1557 PDT.

Jackson County Prospect

05 1530PST **0** **0** **Tstm Wind/Hail**

See below.

Based on MFR WSR-88D observations, a Severe Thunderstorm Warning was issued for northeast Jackson county at 1530 PDT and expired at 1557 PDT.

Jackson County Eagle Pt

09 2103PST **0** **0** **Tstm Wind/Hail**

3/4 inch hail reported.

Based on the above report, a Severe Thunderstorm Warning was issued for northern Jackson county at 2057 PDT and expired at 2133 PDT.

Jackson County Siskiyou

10 1325PST **0** **0** **Tstm Wind/Hail**

See below.

Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for southern Jackson county at 1325 PDT, extended at 1422 PDT, and expired at 1525 PDT. This storm tracked along the California/Oregon border, so a warning for northern Siskiyou county was issued as well.

Jackson County Lincoln

10 1341PST **0** **0** **Tstm Wind/Hail**

See below.

Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for southeast Jackson County at 1341 PDT and expired at 1433 PDT.

Josephine County Selma

10 1529PST **0** **0** **Tstm Wind/Hail**

See below.

Josephine County Selma

10 1546PST **0** **0** **Tstm Wind/Hail**

Spotter JO38 reported nickel sized (0.88") hail.

Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for west and west central Josephine county at 1529 PDT and expired at 1625 PDT. The severe hail report arrived while the warning was in effect.



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<u>OREGON, Southwest</u>									
Jackson County Shady Cove	10	1558PST 1730PST			0	0			Tstm Wind/Hail
See below. Based on WSR-88D observations and a spotter report, a Severe Thunderstorm Warning was issued for north central Jackson county at 1558 PDT and expired at 1730 PDT.									
Klamath County Klamath Falls	10	1608PST			0	0			Urban/Sml Stream Fld
See below.									
Klamath County Klamath Falls	11	0600PST			0	0			Urban/Sml Stream Fld
See below. Based on reports of street flooding, an Urban Flood Warning was issued for the Klamath Falls area at 1608 PDT and expired at 1800 PDT. In a newspaper article, the Klamath Falls Herald and News indicated that several businesses and homes were flooded. Power failures and popcorn size hail was reported as well.									
Jackson County Applegate	10	1618PST			0	0			Tstm Wind/Hail
See below.									
Josephine County Williams	10	1618PST			0	0			Tstm Wind/Hail
See below. Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for eastern Josephine county and southwest Jackson county at 1618 PDT and expired at 1720 PDT.									
Klamath County Crescent	10	1630PST			0	0			Tstm Wind/Hail
A spotter 7 miles south of La Pine reported 1.75" hail occurred at 1630 PDT, but he did not report it until 2340 PDT. No warning was issued for this storm. The hail occurred at 1630 PDT, but the spotter did not call in the report until 2340 PDT.									
Josephine County Grants Pass	10	1641PST			0	0			Tstm Wind/Hail
See below. Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for north central and northeast Josephine county at 1641 PDT and expired at 1740 PDT.									
Jackson County Medford	10	1716PST			0	0			Tstm Wind/Hail
See below.									
Josephine County Grants Pass	10	1716PST			0	0			Tstm Wind/Hail
See below. Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for Jackson and Josephine counties at 1716 PDT and expired at 1820 PDT. This was due to a line of severe thunderstorms that moved through the area.									
ORZ015 South Central Oregon	14	1630PST			0	0			Extreme Cold
See below. Based on forecast low temperatures, a Frost Warning was issued at 1630 PDT. Low temperatures were mostly in the 30s, although the Sprague River low was 28. Frost probably did occur this night.									
Klamath County Klamath Falls	18	1425PST			0	0			Wild/Forest Fire
See below.									
Lake County Lakeview	18	1425PST			0	0			Wild/Forest Fire



									August 1999
		Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		
Location	Date				Killed	Injured	Property	Crops	Character of Storm

OREGON, Southwest

See below.

Klamath County Countywide

19	0600PST	0	0	Wild/Forest Fire
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The Klamath Falls observer reported at least four lightning sparked blazes in Klamath and Lake counties. Based on reports of dry lightning, a Red Flag Warning was issued for fire zones 624/625 (Klamath and Lake counties) at 1425 PDT and expired at 1900 PDT. At least four fires were sparked by lightning during this time.

Jackson County Central Pt to Medford

23	1830PST	0	0	Thunderstorm Wind (G60)
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Spotter reported 4 inch diameter trees downed in Central Point.

Jackson County
Jacksonville

23	1835PST	0	0	Thunderstorm Wind (G60)
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Spotter reported numerous trees blown over.

Jackson County
Medford

23	1837PST	0	0	Thunderstorm Wind (G60)
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Spotter reported one tree and lots of limbs blown down.

A thunderstorm developed over the mountains southeast of Medford on this afternoon. A gust front from this thunderstorm swept across the Rogue Valley beginning around 1830 PDT. A lot of damage was reported, mostly associated with falling trees. Gusts over 50 mph were recorded at Medford airport, but no measured wind velocities reached severe thresholds. No warning was issued for this event, but winds probably exceeded severe criteria in some areas (the windspeeds listed above are estimates).

Jackson County
Butte Falls

23	1851PST	0	0	Tstm Wind/Hail
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See below.

Based on WSR-88D observations, a Severe Thunderstorm Warning was issued for northeast Jackson county at 1831 PDT and cancelled at 1911 PDT.

Klamath County Countywide to Klamath Falls

23	1945PST	0	0	Wild/Forest Fire
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See below

Lake County Countywide to Lakeview

23	1945PST	0	0	Wild/Forest Fire
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See below.

Based on WSR-88D observations, a Red Flag Warning was issued at 1945 PDT on 08/23/99 for dry lightning in fires zones 624 and 625, which cover most of Klamath and Lake counties in south central Oregon. Several lightning caused fire starts were reported. The warning was cancelled at 0030 PDT on 08/24/99.

**Jackson County
Countywide**

25	1150PST	0	0	Wild/Forest Fire
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See below

Klamath County Countywide

25	1150PST	0	0	Wild/Forest Fire
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See below

Lake County Countywide

25	1150PST	0	0	Wild/Forest Fire
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See below

A Red Flag Warning for dry lightning was issued at 1150 PDT on 08/25/99 and cancelled at 2120 PDT on 08/26/99. The expected dry lightning did not develop or was limited in extent.

ORZ015-015

South Central Oregon

30	1102PST	0	0	Extreme Cold
31	0800PST			

See below.

This frost warning verified, with most stations reporting lows in the middle 20s to lower 30s. However, four stations, listed below, reported lows that were more than 15 degrees below normal. A freeze warning should have been issued for this zone.



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OREGON, Southwest

Station	Normal Low	Observed Low	Departure from normal
Klamath Falls	47	31	-16
Lakeview 44		27	-17
Malin	45	29	-16
Paisley	45	27	-18